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( JUL 1992) JUL 1992

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(51) INT CL<sup>5</sup>  
B44D 3/12, B65D 25/48

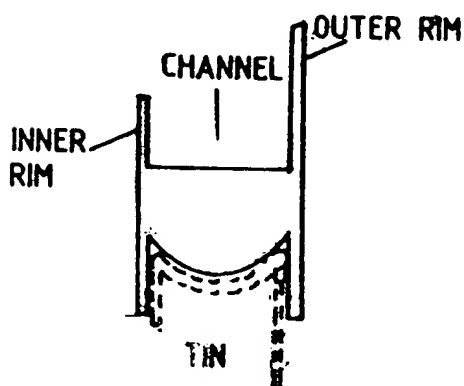
(52) UK CL (Edition K)  
B8D DCE D6 D7PY D7P1  
U1S S1391

(56) Documents cited  
US 4702395 A US 4009802 A US 3811606 A

(58) Field of search  
UK CL (Edition K) B8D  
INT CL<sup>5</sup> B44D, B65D  
Online databases:WPI

(54) **Pouring device for a paint tin**

(57) A pouring device for use with a paint tin comprises a plastic pouring member surrounded by a paint collection channel which is constructed and arranged to return surplus paint running down the outer face of the pourer to the tin without loss or spillage. The channel comprises inner and outer rims and fits over the rim of the tin. The inner channel rim reduces in height to allow recovered paint to be returned to the contents of the tin. The device is shaped to support a brush and to allow surplus paint to be removed from the brush.



CROSS SECTION

B-B (2:1)

FIG. 6

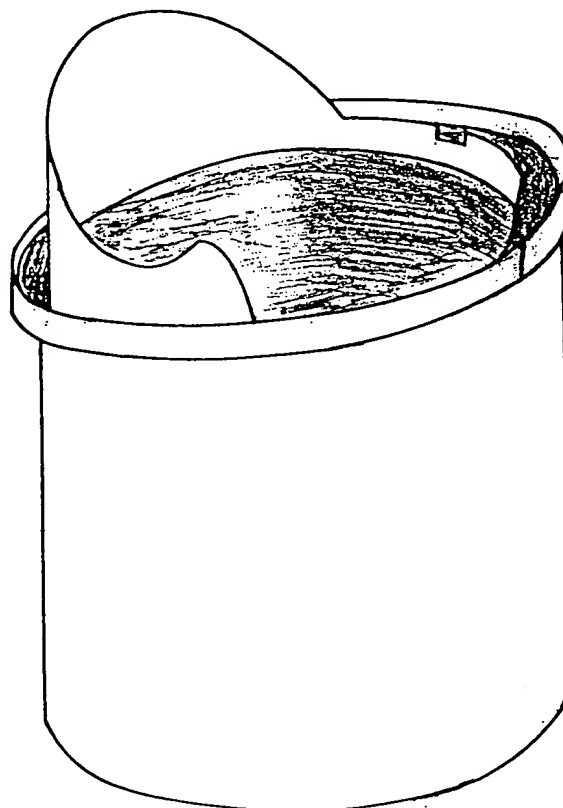
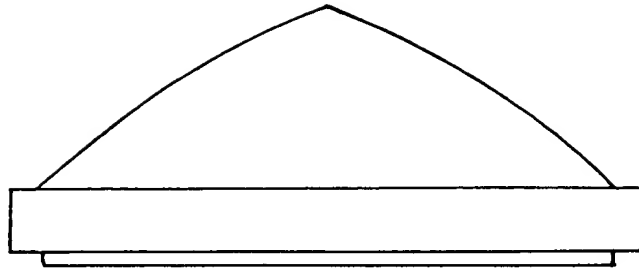


FIG 7

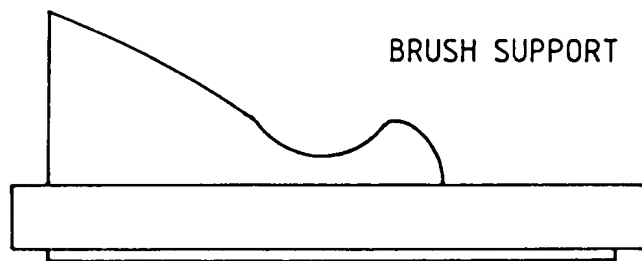
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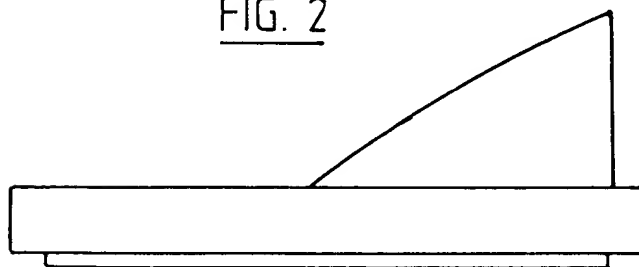
FRONT ELEVATION (1:2)

FIG. 1



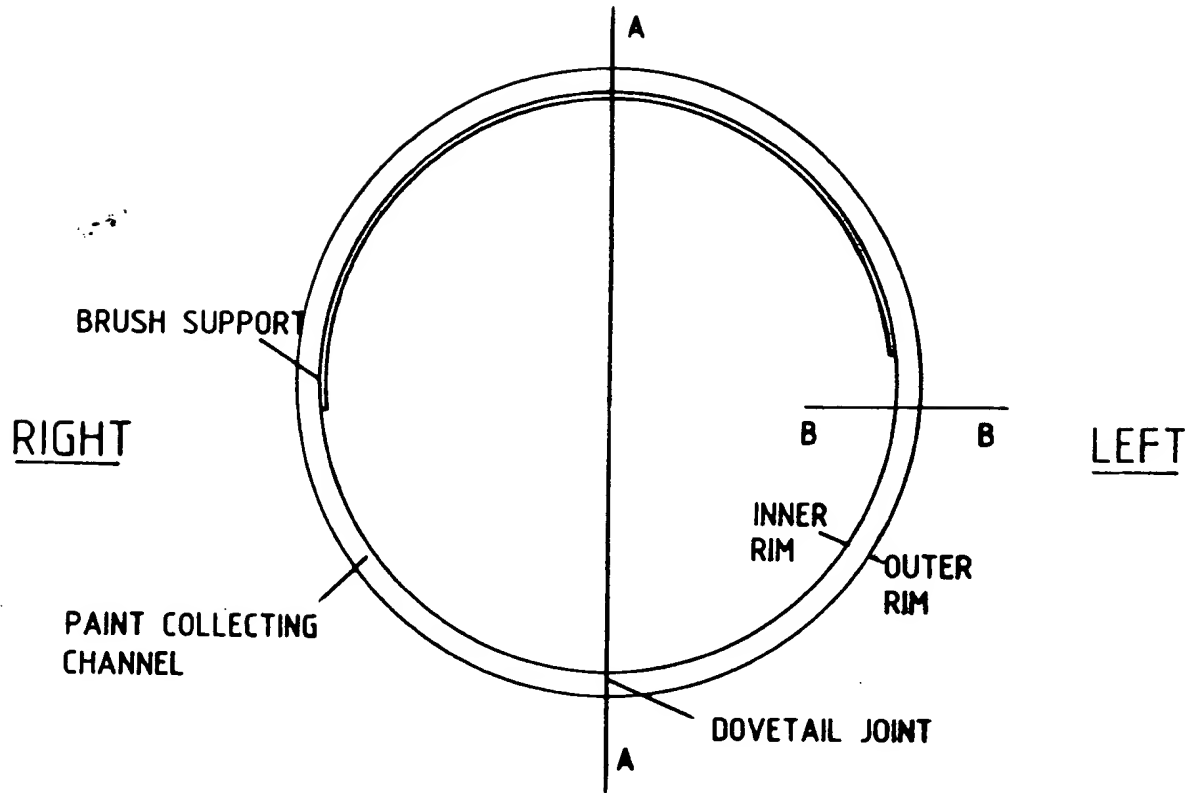
RIGHT ELEVATION (1:2)

FIG. 2

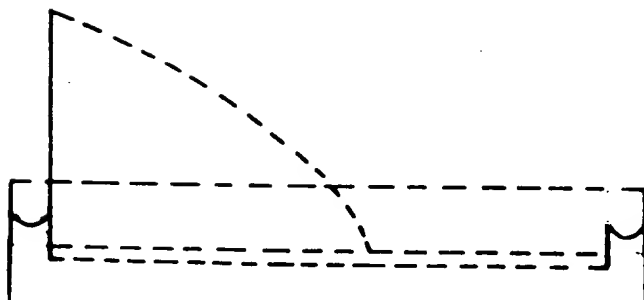


LEFT ELEVATION (1:2)

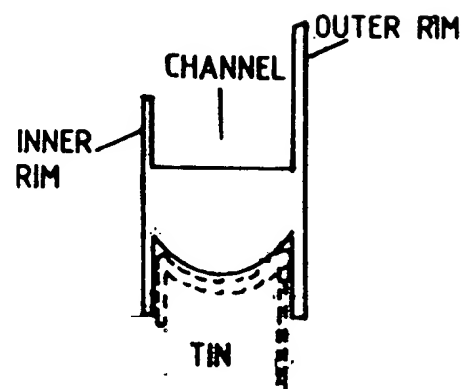
FIG. 3



PLAN  
FIG. 4



CROSS SECTION  
A A (1:2)  
FIG. 5



CROSS SECTION  
B-B (2:1)  
FIG. 6

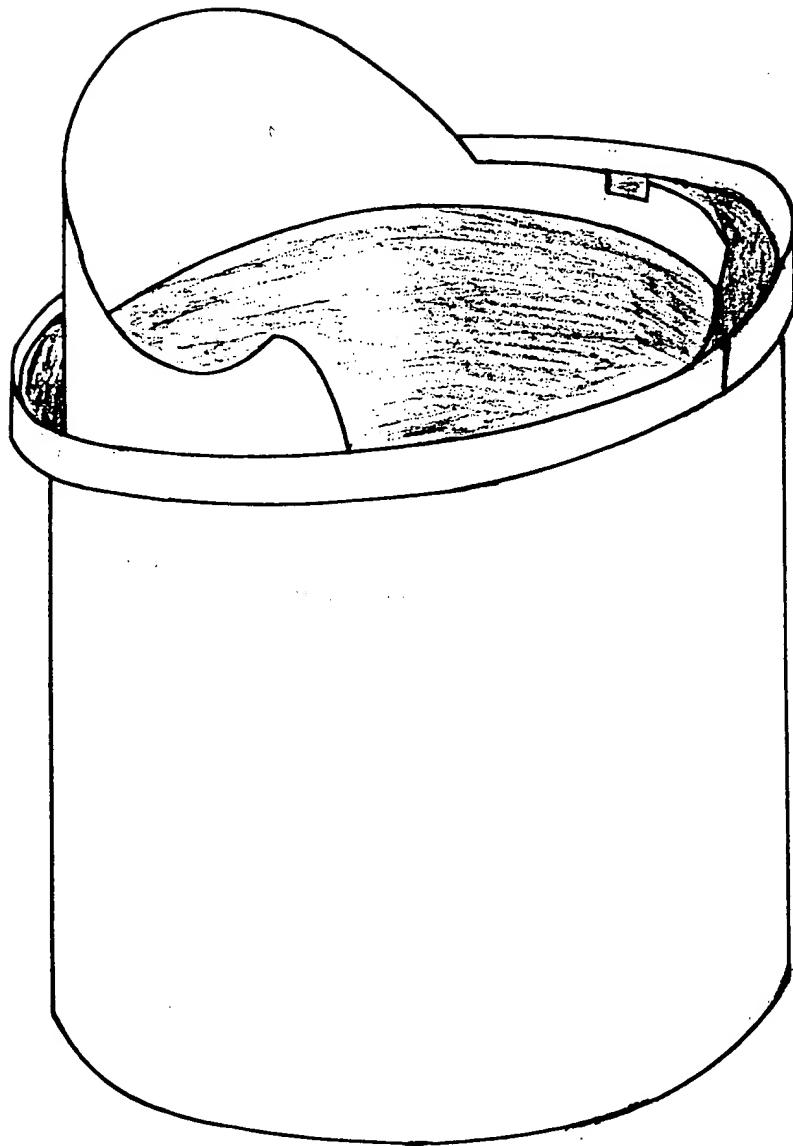


FIG 7

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# CONTAINER POURER AND COLLECTOR

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*This invention relates to a device to aid the pouring of a liquid from a container and incorporates a feature such that surplus liquid is retained within the enclosure.*

*The main use envisaged for the invention is to assist persons using a paint tin.*

*A singular difficulty is experienced when pouring paint from a tin to another container.*

*This is difficult to achieve without some of the paint running down the side of the tin.*

*The invention also addresses the problem of the painter who wishes to retain the right amount of paint on his brush as it affords him the facility to deposite the brush of surplus paint without leaving paint deposits on the rim of the tin.*

*In both the operations described above surplus paint is returned to the tin via a spiral rim.*

*the device would consist of a plastic pourer attached to a flexible rim.*

*The length of the rim being variable in order to accomodate different diameters of container.*

To refer to the drawings and specifically Fig 1, shown on page 1.

- Fig. 1. Shows a front elevation of the pourer indicating it's overall shape as veiwewd from the front.
- Fig. 2. Indicates the shape of the pourer on one side which is shaped to support a brush.
- Fig. 3. Represents the view of the opposite side.

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- Fig. 4. Is the plan view of the pourer/ collector showing the inner and outer rims which form a paint channel the function of which is to return surplus paint back to the tin.
- Fig 5. Shows a cross section of the device indicating the function of the pourer lip and how any surplus paint would run down the outer face of the lip to be retained within the paint channel and so returned to the tin.
- Fig. 6. Represents a large scale detail of the rim showing a profile of the channel and how it is designed to fit over the tin rim.
- It should be appreciated that the inner rim of the paint channel reduces in hight in order that recovered paint is returned to the contents of the tin.

Page 3,

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- Fig. 7. Shows a pictorial view of the device fitted to a tin.



It is intended that the device will be made in one plastic mould incorporating the rim and the pourer/collector for the most common tin sizes.

An alternative form of the invention is a pourer attached to a flexible rim which could be cut to the appropriate length to suit the diameter of the container to be used.

It is also conceived that containers could be made with the collector/pourer design incorporated into the rim of the container.

A variation to the basic concept would incorporate a pourer / collector lip which is detachable from the flexible paint collection channel which could be reused.

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CLAIMS

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1. A pourer and collection device which enables the contents of a container to be transferred to another container without loss or spillage
2. A device as described in Claim No. 1 which affords the facility to a painter to control the amount of paint on his brush without causing paint to run down the edge of the tin.
3. A device as described in Claims 1 & 2 which causes surplus paint to be returned to the contents of the tin via a paint collection channel.
4. A device as described in claims 1 to 3 which is manufactured in one piece for specific sizes of container.
5. A device generally as described in Claims 1 to 3 which is made in two parts, such that the lip is detachable and can be fitted to various sizes of paint collector channel.
6. A device all as detailed in claims 1 to 3 incorporated into the design of a container such that the lip and paint collector channel is embodied into the container.
7. A device as described in claims 1 to 7 used to contain materials other than paint.

Patents Act 1977  
Examiner's report to the Comptroller under  
Section 17 (The Search Report)

Application number  
9027550.4

Relevant Technical fields	Search Examiner
(i) UK CI (Edition <sup>K</sup> ) B8D	A HABBIJAM
(ii) Int CI (Edition <sup>5</sup> ) B44D, B65D	
Databases (see over)	Date of Search
(i) UK Patent Office	25 MARCH 1992
(ii) ONLINE DATABASES: WPI	

Documents considered relevant following a search in respect of claims 1-7

Category (see over)	Identity of document and relevant passages	Relevant to claim(s)
X	US 4702395 NITSCH See in particular Figures 4 and 8	1-3 at least
X	US 4009802 HAYDUCHOK See in particular Figure 2	1-3 at least
X	US 3811606 HIGGINS Whole document to be considered.	1-3 at least



Category	Identity of document and relevant passages	Relevant to claim(s)

### Categories of documents

**X:** Document indicating lack of novelty or of inventive step.

**Y:** Document indicating lack of inventive step if combined with one or more other documents of the same category.

**A:** Document indicating technological background and/or state of the art.

**P:** Document published on or after the declared priority date but before the filing date of the present application.

**E:** Patent document published on or after, but with priority date earlier than, the filing date of the present application.

**&:** Member of the same patent family, corresponding document.

**Databases:** The UK Patent Office database comprises classified collections of GB, EP, WO and US patent specifications as outlined periodically in the Official Journal (Patents). The on-line databases considered for search are also listed periodically in the Official Journal (Patents).